

L Number	Hits	Search Text	DB	Time stamp
1	1	(al aluminum) near (cr\$lni ni\$1cr) same bonding same electrode	USPAT; EPO; JPO	2004/07/07 10:18
2	12	(al aluminum) with (cr\$lni ni\$1cr) same bonding same electrode	USPAT; EPO; JPO	2004/07/07 10:18
51	0	ultrasonic with electrode and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:45
52	1	ultrasonic with bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:45
53	1	ultrasonic same bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:47
54	11	(ultrasonic heat) same bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 12:15
55	6940	228/1.1, 110.1, 189.22.ccls.	USPAT; EPO; JPO	2004/07/07 12:16
56	1	(228/1.1, 110.1, 189.22.ccls.) and (al aluminum) with (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 12:18
57	78	(228/1.1, 110.1, 189.22.ccls.) and electrode with (al aluminum)	USPAT; EPO; JPO	2004/07/07 12:18
-	8	(surface adj1 acoustic).ti. and (taga).in.	USPAT; US-PGPUB	2003/05/30 10:39
-	19	saw and electrode and (nicr or crni) and (au gold) and (al or aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:31
-	8	surface adj1 acoustic adj1 wave and electrode and (nicr or crni) and (au gold) and (al or aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:34
-	49	piezoelectric and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:40
-	103	orientat\$3 and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:41
-	85	orientat\$3 and electrode and (nicr or crni) and (au gold) and (al aluminum) and reduc\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:47
-	218	bond\$3 and substrate and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:04
-	189	(bond\$3 and substrate and electrode and (nicr or crni) and (au gold) and (al aluminum)) and (heat\$3 or ultrasonic)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:48
-	10	("3891873"   "4259607"   "4692653"   "5108950"   "5440125"   "5699027"   "5844347"   "5991989"   "6028011"   "6137184").PN.	USPAT	2003/05/30 12:07
-	11	("5058800"   "5459368"   "5699027"   "5712523"   "5821665"   "5991989"   "6131257"   "6246013"   "6321444"   "6329739"   "6369490"   "2002/0003459").PN.	USPAT	2003/05/30 13:38
-	6	("3721841"   "3959747"   "4259607"   "4477952"   "4736128"   "5325012").PN.	USPAT	2003/05/30 13:49
-	3	crack\$3 and bond\$3 and substrate and electrode and (ni\$1cr or cr\$lni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:13
-	11	("3597269"   "3767492"   "3771218"   "3853496"   "3985597"   "4001870"   "4001871"   "4017866"   "4039371"   "4040083"   "4926238").PN.	USPAT	2003/05/30 14:12
-	6	5391915.URPN.	USPAT	2003/05/30 14:12

-	0	bond\$3 and reduc\$3 with orientat\$3 and electrode and (ni\$1cr or cr\$1ni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:14
-	0	bond\$3 and diffract\$3 and electrode and (ni\$1cr or cr\$1ni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:15
-	2	bond\$3 and diffract\$3 and electrode and (ni\$1cr or cr\$1ni) and gold and bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:16
-	1	bond\$3 and intermediate with electrode and (ni\$1cr or cr\$1ni) and gold and (bump ball) and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:19
-	17	bond\$3 and intermediate and electrode and (ni\$1cr or cr\$1ni) and gold and (bump ball) and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:20
-	72	intermediate and electrode and (ni\$1cr or cr\$1ni) and gold and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:43
-	150	locking adj1 curve	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:47
-	36	(locking adj1 curve) and electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:43
-	3	4182793.URPN.	USPAT	2003/05/30 14:47
-	428	lock\$3 adj1 curv\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:48
-	1	(lock\$3 adj1 curv\$3) and intermediat\$1 adj1 electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:49
-	11	(lock\$3 adj1 curv\$3) and intermediat\$1 and electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:50
-	712	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and (nickel crome)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:52
-	18	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and (ni\$1cr cr\$1ni)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:57
-	346	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	126	(electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium) and intermediat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	103	((electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium) and intermediat\$3) and bond\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	43	electrode and pad and (crni nicr ni\$1cr cr\$1ni) and (al aluminum) with alloy	USPAT; EPO; JPO	2003/12/03 15:57
-	0	54128280.URPN.	USPAT	2003/12/03 15:57

-	471	electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-	434	and (al aluminum) and alloy and bond\$3	EPO; JPO	17:15
-		(electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-		and (al aluminum) and alloy and bond\$3)	EPO; JPO	16:01
-	360	and (heat\$3 ultrasonic)		
-		((electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-		and (al aluminum) and alloy and bond\$3)	EPO; JPO	16:01
-	8	and (heat\$3 ultrasonic)) and substrate		
-		("5900643"   "6104597"   "6166424"	USPAT	2003/12/03
-		"6178082"   "6208500"   "6226171"		16:03
-	2	"6278153"   "6282079").PN.		
-		("5958576"   "6159593").PN.	USPAT	2003/12/03
-	28	piezoelectric and electrode and (crni	USPAT;	16:10
-		nicr ni\$1cr cr\$1ni) and (al aluminum) and	EPO; JPO	2003/12/03
-	1	alloy and bond\$3		17:16
-		6369490.pn.	USPAT;	2004/07/06
-			EPO; JPO	13:57